

IN THE CLAIMS

1. – 12. (canceled)

13. **(currently amended)** A mobile station corresponding to DS-CDMA ~~performing a first correlation determination between a received signal and a common spreading code with regard to a plurality of base stations by shifting a relative timing between the received signal and the common spreading code, and performing a second correlation determination between the received signal and a plurality of kinds of spreading codes that are respectively different from the common spreading code based on a timing obtained by the first correlation determination~~, said mobile station comprising:

_____ a receiving unit for receiving a signal from another apparatus;

_____ a storage unit storing the received signal over a time long enough to perform both the first correlation determination and the second correlation determination; and

_____ a control unit using same the stored received signal having been stored in the storage unit for sequentially performing the first and second correlation determinations;

_____ a first correlation determination between the stored received signal and a common spreading code with regard to a plurality of base stations by shifting a relative timing between the stored received signal and the common spreading code, and

_____ a second correlation determination between the stored received signal and a plurality of kinds of spreading codes that are respectively different from the common spreading code based on a timing obtained by the first correlation determination, wherein

_____ said plurality of kinds of spreading codes comprises different candidates for a spreading inherent base station code.

14. (currently amended) A mobile station corresponding to DS-CDMA performing a first correlation determination between a received signal and common spreading codes that are the same for a plurality of base stations by shifting a relative timing between the received signal and the common spreading codes, and performing a second correlation determination between the received signal and N different spreading codes that are respectively different from the common spreading codes based on a timing obtained by the first correlation determination for determining which of the N ($N > 2$) spreading codes is attributable to the base station that has transmitted the received signal of which the timing has been determined by the first correlation determination, said mobile station comprising:

- a receiving unit for receiving a signal from another apparatus;
- a storage unit storing the received signal over a time long enough to perform both the first correlation determination and the second correlation determination; and
- a control unit using same the stored received signal having been stored in the storage unit for sequentially performing the first and second correlation determinations;
- a first correlation determination between the stored received signal and common spreading codes that are the same for a plurality of base stations by shifting a relative timing between the received signal and the common spreading codes, and
- a second correlation determination between the stored received signal and N different spreading codes that are respectively different from the common spreading codes based on a timing obtained by the first correlation determination for determining which of the N ($N > 2$) spreading codes is attributable to the base station that has transmitted the received signal of which the timing has been determined by the first correlation determination,

wherein

- said N different spreading codes comprise different candidates for a spreading inherent base station code.

15. (previously presented) A mobile station corresponding to DS-CDMA ~~performing a first correlation determination between a received signal and a pre-assigned spreading code by shifting a relative timing between the received signal and the pre-assigned spreading code, and performing a second correlation determination of the received signal for first and second spreading codes of which the code patterns are different from each other based on a timing obtained by the first correlation determination~~, said mobile station comprising:

_____ a receiving unit for receiving a signal from another apparatus;
a storage unit storing the received signal; and
a control unit using the stored received signal having been stored in the storage unit for performing ~~the second correlation determination~~ a second correlation determination of the stored received signal for first and second spreading codes of which the code patterns are different from each other based on a timing obtained by a completion of a first correlation determination, in which ~~the the~~ the first correlation determination between the received signal and a pre-assigned spreading code by shifting a relative timing between the received signal and the pre-assigned spreading code is performed by using the pre-assigned spreading code and the received signal that has not been stored in the storage unit, wherein
_____ said first and second spreading codes comprise different candidates for a spreading inherent base station code.

16. (canceled)

17. **(currently amended)** A correlation determination method for a DS-CDMA mobile station ~~performing a first correlation determination between a received signal and a common spreading code with regard to a plurality of base stations by shifting a relative~~

timing between the received signal and the common spreading code, and performing a second correlation determination between the received signal and a plurality of kinds of spreading codes that are respectively different from the common spreading code based on a timing obtained by the first correlation determination, said correlation determination method comprising:

_____ receiving a signal from another apparatus;

storing the received signal over a time long enough to perform both the first correlation determination and the second correlation determination; a first correlation determination, between a received signal and a common spreading code with regard to a plurality of base stations by shifting a relative timing between the received signal and the common spreading code, and a second correlation determination, between the received signal and a plurality of kinds of spreading codes that are respectively different from the common spreading code based on a timing obtained by the first correlation determination; and

using the same stored received signal for sequentially performing the first and second correlation determinations, wherein

_____ said plurality of kinds of spreading codes comprises different candidates for a spreading inherent base station code.

18. (currently amended) A mobile station corresponding to DS-CDMA performing a first correlation determination between a received signal and a common spreading code with regard to a plurality of base stations by shifting a relative timing between the received signal and the common spreading code, and performing a second correlation determination between the received signal and a plurality of kinds of spreading codes that are respectively different from the common spreading code based on a timing obtained by the first correlation determination, said mobile station comprising:

_____ a receiving unit for receiving a signal from another apparatus;

a storage unit storing at least a portion of the received signal ~~over a time long enough~~ to perform both ~~the first correlation determination and the second correlation determination~~ first correlation determination, between the received signal and a common spreading code with regard to a plurality of base stations by shifting a relative timing between the received signal and the common spreading code, and a second correlation determination, between the received signal and a plurality of kinds of spreading codes that are respectively different from the common spreading code based on a timing obtained by the first correlation determination; and

a control unit using a same portion of the stored received signal having been stored in the storage unit for sequentially performing the first and second correlation determinations, wherein

_____ said plurality of kinds of spreading codes comprises different candidates for a spreading inherent base station code.